

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	((("6800065") or ("6966890") or ("7273486") or ("7208001") or ("6893417"))).PN.	USPAT; USOCR	OR	OFF	2007/12/19 11:41
L2	65	("4610662"   "4748982"   "4762129"   "4988356"   "5040548"   "5061273"   "5149330"   "5171222"   "5178158"   "5195978"   "5205822"   "5217435"   "5232445"   "5263932"   "5279539"   "5290241"   "5300085"   "5324269"   "5324296"   "5327885"   "5334187"   "5336184"   "5350395"   "5357978"   "5364376"   "5387226"   "5389087"   "5409459"   "5451233"   "5458639"   "5460185"   "5466222"   "5489271"   "5496346"   "5501227"   "5531700"   "5549556"   "5554118"   "5571094"   "5578009"   "5626600"   "5685312"   "5690642"   "5709658"   "5718680"   "5749888"   "5755685"   "5769868"   "5779671"   "5807355"   "5919164"   "5919175"   "5947925"   "5947927"   "6013068"   "6036715"   "6056719"   "6096009"   "6165197"   "6196995"   "6299595"   "6569180"   "6582401"   "6682556"   "RE36857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 11:41
L3	0	("7273486").URPN.	USPAT	OR	OFF	2007/12/19 11:47

## EAST Search History

L4	61	("20010037085"   "20030191491"   "4748982"   "4762129"   "4988356"   "5040548"   "5061273"   "5149330"   "5171222"   "5178158"   "5205822"   "5217435"   "5232445"   "5263932"   "5290241"   "5300085"   "5324269"   "5327885"   "5334187"   "5336184"   "5350395"   "5357978"   "5364376"   "5370616"   "5387226"   "5389087"   "5409459"   "5451233"   "5458639"   "5460185"   "5466222"   "5489271"   "5496346"   "5501227"   "5531700"   "5549556"   "5571094"   "5578009"   "5626600"   "5685312"   "5709658"   "5718680"   "5749888"   "5755685"   "5769868"   "5779671"   "5807355"   "5919164"   "5919175"   "5947925"   "5947927"   "5976107"   "5984945"   "6013068"   "6036715"   "6056719"   "6096009"   "6165197"   "6196995"   "6299595"   "RE36857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 11:47
L5	0	("7208001").URPN.	USPAT	OR	OFF	2007/12/19 11:58
L6	23	("0029362" "0004493" "4748982" "4960410" "4988356" "5156594" "5347215" "5395334" "5458613" "5605543" "5718680" "5728063" "5827242" "5843050" "5851203" "0055377" "5833672" "6004291" "6179825" "6186978" "6315757" "6475209" "7022106").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/19 12:08
L7	1	("6893417").PN.	USPAT; USOCR	OR	OFF	2007/12/19 12:11
L8	1	("6800065").PN.	USPAT; USOCR	OR	OFF	2007/12/19 12:11
L9	1	("20030055377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 13:11
L10	1	("5685868").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 13:21

## EAST Search History

L11	13	((("0496041") or ("4988356") or ("5395334") or ("5605543") or ("5843050") or ("6004291") or ("6475209") or ("20030191491") or ("20040039372") or ("20040059369") or ("20040059291") or ("20040122363")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 13:23
L12	12	((("4960410") or ("4988356") or ("5395334") or ("5605543") or ("5843050") or ("6004291") or ("6475209") or ("20030191491") or ("20040039372") or ("20040059369") or ("20040059291") or ("20040122363")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 13:23
L13	2	((("2001029362") or ("2003004493") or ("2003055377") or ("5718680") or ("6179825")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/19 13:23
S1	1343	(604/523).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 12:10
S2	324	(604/524).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 18:00
S3	222	(604/525).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 15:28
S4	180	(604/526).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 16:20
S5	180	(604/527).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/16 16:47
S6	554	(604/528).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 14:33
S7	85	(604/534).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 14:58
S8	1343	(604/523).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 14:58
S9	137	S8 and ((guide\$4 and inflation) with lumen)	US-PGPUB; USPAT	OR	OFF	2006/10/17 15:39
S10	3081	((604/510) or (604/93.01) or (604/103.09) or (604/164.01) or (604/264)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 15:43

## EAST Search History

S11	227	S10 and ((guide\$4 and inflation) with lumen)	US-PGPUB; USPAT	OR	ON	2006/10/17 16:53
S12	30	((("20060217682") or ("20050245897") or ("20050059957") or ("20030105427") or ("20010029362") or ("7018372") or ("6907298") or ("6733487") or ("6620149") or ("6585687") or ("6475187") or ("6464683") or ("6059771") or ("6004310") or ("5879499") or ("5658251") or ("5573509") or ("5328472") or ("5221255") or ("20050049574") or ("6749560") or ("6719748") or ("6004291") or ("5947925") or ("5910129") or ("5487757") or ("5221255") or ("20050209582") or ("6454758") or ("6719748") or ("5425714") or ("5484408"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 16:58
S13	32	("2211975"   "3680562"   "3890977"   "4330497"   "4569347"   "4657024"   "4795439"   "5061254"   "5102401"   "5163431"   "5329923"   "5381782"   "5454787"   "5470322"   "5477856"   "5487757"   "5507751"   "5554118"   "5569218"   "5573520"   "5599326"   "5685868"   "5702439"   "5741429"   "5921956"   "5980486"   "6007478"   "6071273"   "6102890"   "6235050"   "6409863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/17 17:42
S14	181	("5487757").URPN.	USPAT	OR	OFF	2006/10/17 17:52
S15	0	("6719748").URPN.	USPAT	OR	OFF	2006/10/17 17:57

## EAST Search History

S16	42	( "4413989"   "4456000"   "4606347"   "4616652"   "4646742"   "4715378"   "4726374"   "4762129"   "4774949"   "4782834"   "4811737"   "4813934"   "4819630"   "4820262"   "4820349"   "4846174"   "4848344"   "4877031"   "4906241"   "4917666"   "4932959"   "4955895"   "4976720"   "5002532"   "5032113"   "5035705"   "5047045"   "5059176"   "5085636"   "5135487"   "5135494"   "5141518"   "5171221"   "5171222"   "5171298"   "5178608"   "5192295"   "5209728"   "5221260"   "5250034"   "5256144"   "5304198"   "B14762129"   "B14813934").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 12:13
S17	6	("5484408").URPN.	USPAT	OR	OFF	2006/10/18 12:49

## EAST Search History

S18	160	("0256590"   "0390177"   "0701075"   "0998339"   "1045326"   "1093538"   "1290647"   "1922084"   "2175726"   "2230218"   "2234961"   "2409343"   "2473742"   "2474665"   "2564977"   "2590895"   "2625932"   "2716983"   "2819718"   "2930378"   "2936761"   "3042045"   "3175554"   "3314430"   "3324853"   "3324854"   "3331371"   "3359974"   "3394705"   "3435826"   "3437088"   "3448739"   "3452756"   "3459188"   "3463152"   "3467101"   "3543758"   "3543759"   "3550591"   "3556161"   "3566874"   "3593713"   "3599620"   "3612050"   "3634924"   "3683908"   "3726281"   "3746003"   "3756234"   "3771527"   "3774605"   "3799172"   "3804097"   "3823720"   "3828767"   "3830234"   "3875938"   "3885567"   "3896815"   "3978863"   "4004588"   "4016879"   "4027668"   "4037599"   "4057065"   "4072146"   "4096860"   "4098275"   "4099528"   "4100246"   "4116068"   "4134402"   "4144884"   "4168703"   "4180068"   "4202332"   "4203436"   "4217895"   "4257416"   "4270535"   "4314555"   "4336636"   "4385631"   "4403983"   "4403985"   "4406656"   "4419095"   "4443333"   "4451252"   "4452473"   "4473369"   "4484585"   "4493696"   "4535770"   "4543087"   "4547193"   "4568329"   "4583968"   "4592749"   "4619643"   "4623327"   "4626240"   "4643711"   "4661110"   "4676229"   "4682978"   "4692141"   "4706670"   "4723948"   "4753640"   "4772268"   "4795439"   "4822345"   "4827921"   "4894057"   "4995865"   "D250349"   "D254444"   "D256617"   "D272651"   "Re31873").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 12:53
S19	87	("5221255").URPN.	USPAT	OR	OFF	2006/10/18 13:09
S20	15	("6004310").URPN.	USPAT	OR	OFF	2006/10/18 14:26
S21	0	("2005/0209582").URPN.	USPAT	OR	OFF	2006/10/18 15:09

## EAST Search History

S22	24	("3498286"   "4776844"   "5019057"   "5176660"   "5364357"   "5453099"   "5456674"   "5460608"   "5464394"   "5551444"   "5571085"   "5690613"   "5755707"   "5885227"   "5976120"   "6017335"   "6022343"   "6080488"   "6110164"   "6146814"   "6152909"   "6171295"   "6248122").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 15:18
S23	0	("7018372").URPN.	USPAT	OR	OFF	2006/10/18 15:23
S24	69	("2687131"   "2936760"   "3225762"   "3884242"   "4044765"   "4289128"   "4468224"   "4597755"   "4662368"   "4705507"   "4719924"   "4748982"   "4762129"   "4771777"   "4798598"   "4820349"   "4824435"   "4838268"   "4846174"   "4877031"   "4881547"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4940062"   "4943278"   "4944745"   "4946466"   "4953553"   "4976690"   "4976720"   "4988356"   "4994032"   "4998917"   "4998923"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5102390"   "5102403"   "5112304"   "5156594"   "5169386"   "5176637"   "5180367"   "5217482"   "5242396"   "5346505"   "5370616"   "5395332"   "5395334"   "5425711"   "5449343"   "5522818"   "5643209"   "5702439"   "5728067").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 15:31
S25	1	("6733487").URPN.	USPAT	OR	OFF	2006/10/18 15:40
S26	32	("2211975"   "3680562"   "3890977"   "4330497"   "4569347"   "4657024"   "4795439"   "5061254"   "5102401"   "5163431"   "5329923"   "5381782"   "5454787"   "5470322"   "5477856"   "5487757"   "5507751"   "5554118"   "5569218"   "5573520"   "5599326"   "5685868"   "5702439"   "5741429"   "5921956"   "5980486"   "6007478"   "6071273"   "6102890"   "6235050"   "6409863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 15:41

## EAST Search History

S27	71	("4657024").URPN.	USPAT	OR	OFF	2006/10/18 15:55
S28	9	("5947925").URPN.	USPAT	OR	OFF	2006/10/18 16:20
S29	77	("0243396"   "3416531"   "3671979"   "3769960"   "4000739"   "4056854"   "4122858"   "4173981"   "4276874"   "4287892"   "4302261"   "4343672"   "4527549"   "4531936"   "4540399"   "4577543"   "4592340"   "4601713"   "4664125"   "4665604"   "4697574"   "4705507"   "4741328"   "4764324"   "4785795"   "4804365"   "4842590"   "4877035"   "4889137"   "4899787"   "4902272"   "4902273"   "4943275"   "4944729"   "5011469"   "5015232"   "5024668"   "5061257"   "5069661"   "5116305"   "5163905"   "5167628"   "5171218"   "5176619"   "5176660"   "5186713"   "5190520"   "5195942"   "5219326"   "5250038"   "5254097"   "5270005"   "5290230"   "5300025"   "5304132"   "5308320"   "5312344"   "5322509"   "5330433"   "5334142"   "5334169"   "5374245"   "5421825"   "5423745"   "5429597"   "5433700"   "5451207"   "5464394"   "5472435"   "5478309"   "5538513"   "5549557"   "5591142"   "5697905"   "5702373").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/18 16:47
S30	15	("5879499").URPN.	USPAT	OR	OFF	2006/10/18 16:55
S31	28	("5573509").URPN.	USPAT	OR	OFF	2006/10/18 17:01
S32	2519	catheter and (inflation with lumen) and (guidewire with lumen)	US-PGPUB; USPAT	OR	OFF	2006/10/18 18:03
S33	567	catheter and (inflation with lumen) and (guidewire with lumen) and hypotube	US-PGPUB; USPAT	OR	OFF	2006/10/18 18:04
S34	3	("6575958").URPN.	USPAT	OR	OFF	2006/10/19 14:25
S35	1	("20030105427").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/19 15:46
S36	0	schell-laura.xa.	USPAT	OR	OFF	2006/10/19 15:47
S37	12	schell.xa.	USPAT	OR	OFF	2006/10/19 17:31



## EAST Search History

S38	15	(("2001029362") or ("2003004493") or ("2003055377") or ("5374215") or ("5718680") or ("6179825") or ("4960410") or ("4988356") or ("5395334") or ("5605543") or ("5843050") or ("6004291") or ("6475209") or ("20030191491") or ("20040039372") or ("20040059369") or ("20040059291") or ("20040122363")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/19 17:33
S39	1	("2003/0105427").URPN.	USPAT	OR	OFF	2007/05/05 18:42
S40	15	("20030105427"   "5061273"   "5156594"   "5425711"   "5702439"   "6004310"   "6030405"   "6117106"   "6179810"   "6180367"   "6193686"   "6344029"   "6610068"   "6733486"   "6929635").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/05 18:42
S41	0	("7195611").URPN.	USPAT	OR	OFF	2007/05/05 18:43

# EAST Search History

S42	487	("20030105427"   "2407929"   "2437542"   "2472484"   "2472485"   "2687131"   "2936760"   "3225762"   "3262449"   "3297030"   "3416531"   "3485234"   "3498286"   "3550591"   "3682173"   "3853130"   "3884242"   "3924632"   "3938529"   "4044765"   "4175564"   "4289128"   "4411654"   "4425919"   "4456000"   "4468224"   "4498473"   "4517979"   "4545367"   "4569347"   "4573470"   "4585013"   "4597755"   "4606347"   "4619644"   "4646742"   "4662368"   "4705507"   "4719924"   "4739768"   "4748982"   "4762129"   "4771777"   "4782834"   "4798598"   "4811737"   "4817613"   "4819630"   "4820262"   "4820349"   "4824435"   "4838268"   "4846174"   "4848344"   "4877031"   "4881547"   "4896670"   "4899787"   "4906241"   "4917088"   "4921478"   "4928693"   "4940062"   "4943278"   "4944745"   "4946466"   "4953553"   "4976690"   "4976720"   "4981478"   "4988356"   "4994032"   "4998917"   "4998923"   "5002556"   "5024658"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5063018"   "5102390"   "5102403"   "5112304"   "5141518"   "5156594"   "5169386"   "5171222"   "5176637"   "5180367"   "5181921"   "5190520"   "5195971"   "5201723"   "5205822"   "5217482"   "5221255"   "5222970"   "5242396"   "5267958"   "5279562"   "5328472"   "5344402"   "5346505"   "5370616"   "5383890"   "5395332"   "5395334"   "5425711"   "5425714"   "5439445"   "5449343"   "5454795"   "5460608"   "5492532"   "5507766"   "5516336"   "5522818").PN. OR ("5536250"   "5538512"   "5542925"   "5542937"   "5554114"   "5573509"   "5578009"   "5591129"   "5591194"   "5603991"   "5643209"   "5674198"   "5695483"   "5702439"   "5728067"   "5782811"   "6004310"   "6030405"   "6117106"   "6179810"   "6180367"   "6183686"   "6344070"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/05 18:44
-----	-----	---	------------------------------	----	-----	------------------

## EAST Search History

S43	1	("20030105427").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/25 13:39
S44	49	((("5607394") or ("5931812") or ("5300025") or ("5868706") or ("6179810") or ("5234416") or ("5368035") or ("5370615") or ("5546948") or ("5690613") or ("5743876") or ("5879324") or ("5919175") or ("5961510") or ("5984945") or ("6048338") or ("6106510") or ("6193686") or ("6344029") or ("6436090") or ("6461347") or ("6575958") or ("6579484") or ("6695812") or ("6702802") or ("6746423") or ("6887219") or ("6890318") or ("7037291") or ("7037295") or ("6923788") or ("5697906") or ("5759175") or ("5328472") or ("5410797") or ("5480383") or ("5605543") or ("5843092") or ("5860963") or ("6033720") or ("6059738") or ("6059738") or ("6409863") or ("6548010") or ("6685720") or ("6893456") or ("6939338") or ("5207650") or ("5603991") or ("5267574"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 09:06
S45	12	("20040059291"   "4406656"   "4601713"   "4668221"   "4700693"   "5032113"   "5163906"   "5325845"   "5411479"   "5607404"   "5800414"   "5891111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 09:16
S46	0	("6923788").URPN.	USPAT	OR	OFF	2007/07/02 09:50
S47	14	("4892519"   "5279562"   "5496275"   "5533968"   "5569201"   "5728065"   "5743875"   "5759191"   "5833672"   "5951513"   "6013069"   "6027475"   "6096056"   "6179856").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 09:54
S48	27	("4093484"   "4141364"   "4178937"   "4210478"   "4265848"   "4490421"   "4624657"   "4706670"   "4820270"   "4820349"   "4822345"   "4935190"   "4976689"   "5087394"   "5102416"   "5152772"   "5171221"   "5195962"   "5195971"   "5223205"   "5250069"   "5308323"   "5378230"   "5415635"   "5496275"   "5569201"   "5609606").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 10:02

## EAST Search History

S49	8	("4141364"   "4183102"   "4327720"   "4406656"   "4581017"   "4878495"   "4958364"   "5102416").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 10:03
S50	25	("5308323").URPN.	USPAT	OR	OFF	2007/07/02 10:05
S51	25	("5308323").URPN.	USPAT	OR	OFF	2007/07/02 10:14
S52	9	("3430631"   "4909787"   "5085649"   "5100379"   "5195962"   "5222949"   "5456674"   "5593394").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 10:39
S53	8	("5833672").URPN.	USPAT	OR	OFF	2007/07/02 10:39
S54	22	("5569201").URPN.	USPAT	OR	OFF	2007/07/02 10:51
S55	10	("20010029362"   "5061273"   "5156594"   "5496275"   "5533968"   "5554121"   "6179810"   "6193686"   "6344029"   "6589226").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 10:59
S56	0	("6890318").URPN.	USPAT	OR	OFF	2007/07/02 11:05
S57	8	("5047045"   "5100381"   "5120308"   "5171222"   "5238004"   "5259839"   "5334168"   "5342299").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 11:27
S58	34	("5480383").URPN.	USPAT	OR	OFF	2007/07/02 11:28
S59	30	("2407929"   "2437542"   "2472484"   "2472485"   "3416531"   "3485234"   "3498286"   "3924632"   "4425919"   "4498473"   "4739768"   "4817613"   "4899787"   "5063018"   "5190520"   "5221255"   "5454795"   "5460608"   "5538512"   "5542937"   "5603991"   "5695483"   "5782811").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 11:54
S60	21	("6004310").URPN.	USPAT	OR	OFF	2007/07/02 12:16
S61	8	((("5411479") or ("5032113") or ("6893456") or ("6027475") or ("5951513") or ("5195962") or ("5833672") or ("6702802"))).PN.	USPAT; USOCR	OR	OFF	2007/07/02 12:17
S62	9	("3430631"   "4909787"   "5085649"   "5100379"   "5195962"   "5222949"   "5456674"   "5593394").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 12:34
S63	28	("5593394").URPN.	USPAT	OR	OFF	2007/07/02 12:36

## EAST Search History

S64	11	("4402684"   "4648871"   "4790831"   "4846791"   "4960410"   "5019057"   "5037404"   "5327891"   "5337733"   "5593394"   "5681296").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 12:45
S65	21	("5882347").URPN.	USPAT	OR	OFF	2007/07/02 12:54
S66	19	("20030105427" "20030191491" "20040039372" "20040059291" "20040059369" "20040122363" "0029362" "0004493" "4960410" "4988356" "5374215" "5395334" "5605543" "5718680" "5843050" "0055377" "6004291" "6179825" "6475209").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/02 12:54
S67	3	("5447503"   "5620417"   "5743875").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/02 12:55
S68	0	("6179825").URPN.	USPAT	OR	OFF	2007/07/02 12:56
S69	0	("6179825").URPN.	USPAT	OR	OFF	2007/07/02 13:06
S70	17	catheter and (inflation with lumen with arcuate)	US-PGPUB; USPAT	OR	OFF	2007/07/02 13:13
S71	86	catheter and ((inflation with lumen with reinforc\$)	US-PGPUB; USPAT	OR	OFF	2007/07/02 14:22
S72	1	("5833672").PN.	USPAT; USOCR	OR	OFF	2007/07/02 14:22
S73	10	((("7169162") or ("7037291") or ("6905477") or ("6893417") or ("6890318") or ("6887219") or ("6733487") or ("6548010") or ("6503223") or ("6379365")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:13
S74	21	("4684363"   "5092877"   "5242399"   "5304197"   "5344426"   "5370615"   "5453090"   "5470315"   "5534007"   "5571135"   "5593412"   "5603698"   "5628755"   "5690644"   "5843090"   "5843092"   "5908448"   "5951569"   "5980533"   "6019777"   "6056759").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:20
S75	15	("4943278"   "4968300"   "5047045"   "5069673"   "5135535"   "5156594"   "5159937"   "5201723"   "5281203"   "5290247"   "5334147"   "5370615"   "5383890"   "5403339"   "5409470").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:23

## EAST Search History

S76	44	("2687131"   "2936760"   "3225762"   "3976720"   "4289128"   "4468224"   "4597755"   "4662368"   "4705507"   "4748982"   "4762129"   "4771777"   "4798598"   "4820349"   "4824435"   "4838268"   "4846174"   "4877031"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4940062"   "4943278"   "4944745"   "4946466"   "4953553"   "4988356"   "4994032"   "4998917"   "4998923"   "5032113"   "5034001"   "5035705"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5102403").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:26
S77	10	("4137906"   "4261339"   "4327709"   "4561439"   "4597755"   "4638805"   "4771776"   "4771778"   "4790315"   "4821722").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:30
S78	94	("4943278").URPN.	USPAT	OR	OFF	2007/12/16 15:31
S79	4	("4943278"   "5156594"   "5947925"   "6503223").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:32
S80	15	("4762129"   "4876126"   "4988356"   "5195978"   "5234269"   "5234407"   "5364376"   "5383853"   "5389087"   "5441488"   "5458639"   "5520647"   "5533968"   "5549551"   "5724977").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:33
S81	12	("3769981"   "3978863"   "4406656"   "4484579"   "4601713"   "4776841"   "4820349"   "4892519"   "5040548"   "5106368"   "5154725"   "5171222").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:36
S82	22	("2442573"   "3460541"   "3490457"   "3592197"   "3736939"   "3789852"   "4043346"   "4141364"   "4195637"   "4257422"   "4276874"   "4309994"   "4315512"   "4401433"   "4406656"   "4411655"   "4451256"   "4467790"   "4493711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:38
S83	162	("4601713").URPN.	USPAT	OR	OFF	2007/12/16 15:40
S84	12	("20040059291"   "4406656"   "4601713"   "4668221"   "4700693"   "5032113"   "5163906"   "5325845"   "5411479"   "5607404"   "5800414"   "5891111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 15:42

## EAST Search History

S85	0	("6923788").URPN.	USPAT	OR	OFF	2007/12/16 15:43
S86	162	("4601713").URPN.	USPAT	OR	OFF	2007/12/16 16:12
S87	35	("5533968").URPN.	USPAT	OR	OFF	2007/12/16 16:12
S88	10	("20010029362"   "5061273"   "5156594"   "5496275"   "5533968"   "5554121"   "6179810"   "6193686"   "6344029"   "6589226").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 16:15
S89	0	("6890318").URPN.	USPAT	OR	OFF	2007/12/16 16:17
S90	70	("4748982"   "4762129"   "4771777"   "4846174"   "4846791"   "4867174"   "4917103"   "4922923"   "4960410"   "4988356"   "5040548"   "5061273"   "5154725"   "5156594"   "5180367"   "5180376"   "5217482"   "5232445"   "5252159"   "5279562"   "5300025"   "5300085"   "5306247"   "5316016"   "5324269"   "5334147"   "5338295"   "5350395"   "5364376"   "5370616"   "5380283"   "5387193"   "5389087"   "5395334"   "5410797"   "5425711"   "5451233"   "5458613"   "5490837"   "5490845"   "5496344"   "5496346"   "5522818"   "5531690"   "5531719"   "5533968"   "5556382"   "5569200"   "5573520"   "5578009"   "5637902"   "5658251"   "5700253"   "5718683"   "5720724"   "5728067"   "5752932"   "5769868"   "5772642"   "5782809"   "5823996"   "5827269"   "5919188"   "5980486"   "6004291"   "6007522"   "6017323"   "6027475"   "6036715"   "6346093").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 16:35

## EAST Search History

S91	50	("2248934"   "2457244"   "2912981"   "2930377"   "3112748"   "3769981"   "3915171"   "3978863"   "3983879"   "4295464"   "4406656"   "4458677"   "4484579"   "4553959"   "4563170"   "4601713"   "4723936"   "4748982"   "4771777"   "4776841"   "4790315"   "4850373"   "4877031"   "4892519"   "4906230"   "4917666"   "4943278"   "4944745"   "4998923"   "5037386"   "5040548"   "5046503"   "5071425"   "5102390"   "5106368"   "5135535"   "5149330"   "5154725"   "5156594"   "5171222"   "5195971"   "5217440"   "5279562"   "5300025"   "5370616").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 16:38
S92	14	("6027475").URPN.	USPAT	OR	OFF	2007/12/16 16:42
S93	10	("4552554"   "4643712"   "4657536"   "4748982"   "4762129"   "5040548"   "5135535"   "5171222"   "5180364"   "5234407"   "B14762129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 16:48
S94	57	("5364376").URPN.	USPAT	OR	OFF	2007/12/16 16:49
S95	59	("4748982"   "4762129"   "4988356"   "5040548"   "5061273"   "5149330"   "5171222"   "5178158"   "5205822"   "5217435"   "5263932"   "5290241"   "5300085"   "5318532"   "5324269"   "5327885"   "5334187"   "5336184"   "5350395"   "5357978"   "5364376"   "5387226"   "5389087"   "5409459"   "5451233"   "5458639"   "5460185"   "5466222"   "5489271"   "5496346"   "5501227"   "5531700"   "5549556"   "5554118"   "5571094"   "5578009"   "5624281"   "5626600"   "5685312"   "5718680"   "5749888"   "5755685"   "5769868"   "5779671"   "5807355"   "5919164"   "5919175"   "5921971"   "5944562"   "5947925"   "5947927"   "6013068"   "6036715"   "6056719"   "6096009"   "6152910"   "6165197"   "6475187"   "RE36857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/16 16:52
S96	0	("6966890").URPN.	USPAT	OR	OFF	2007/12/16 17:04



## EAST Search History

S97	39	("4748982"   "4752129"   "4775371"   "5176637"   "5180367"   "5242396"   "5334147"   "5364376"   "5387193"   "5389087"   "5413559"   "5425711"   "5456680"   "5458613"   "5489271"   "5496346"   "5507768"   "5531690"   "5545134"   "5545138"   "5549552"   "5607394"   "5626600"   "5634902"   "5755685"   "5782740"   "5795325"   "5810867"   "5823995"   "5868706"   "5882336"   "5897536"   "5931812"   "6152909"   "6193686"   "6251084"   "6589207"   "6733486"   "6746423").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 10:49
S98	81	("2687131"   "2912981"   "2930377"   "2936760"   "3225762"   "3976720"   "4085757"   "4137906"   "4213461"   "4261339"   "4289128"   "4311146"   "4323071"   "4327709"   "4346698"   "4413989"   "4468224"   "4561439"   "4582181"   "4597755"   "4638805"   "4652258"   "4662368"   "4705507"   "4721117"   "4748982"   "4762129"   "4771776"   "4771777"   "4771778"   "4790315"   "4796642"   "4798598"   "4811743"   "4820349"   "4821722"   "4824435"   "4838268"   "4846174"   "4873983"   "4877031"   "4881547"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4932413"   "4940062"   "4943278"   "4944745"   "4946466"   "4947864"   "4953553"   "4964409"   "4976720"   "4988356"   "4994032"   "4998917"   "4998923"   "5002532"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5135535"   "5147377"   "5154725"   "Re32348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 10:55
S99	34	("5425711").URPN.	USPAT	OR	OFF	2007/12/17 11:01

## EAST Search History

S10 0	15	("20030105427"   "5061273"   "5156594"   "5425711"   "5702439"   "6004310"   "6030405"   "6117106"   "6179810"   "6180367"   "6193686"   "6344029"   "6610068"   "6733486"   "6929635").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:03
S10 1	24	("3938529"   "4597755"   "4820349"   "4944745"   "4981478"   "4988356"   "4994032"   "5141518"   "5176637"   "5195971"   "5201723"   "5279562"   "5328472"   "5344402"   "5383890"   "5460608"   "5492532"   "5507766"   "5516336"   "5542925"   "5554114"   "5573509"   "5591129"   "5674198").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:04
S10 2	6	("6117106").URPN.	USPAT	OR	OFF	2007/12/17 11:08
S10 3	0	("7195611").URPN.	USPAT	OR	OFF	2007/12/17 11:10
S10 4	31	("4142531"   "4917104"   "5061273"   "5156594"   "5246014"   "5279562"   "5282845"   "5300025"   "5328472"   "5344402"   "5387193"   "5387226"   "5389087"   "5413559"   "5425711"   "5458613"   "5470315"   "5516336"   "5531689"   "5533968"   "5545133"   "5545134"   "5549556"   "5556382"   "5626600"   "5634902"   "5695468"   "5743874"   "5743875"   "5823995"   "6030405").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:14
S10 5	11	("4775371"   "4819751"   "5217482"   "5238005"   "5242396"   "5295961"   "5328472"   "5346505"   "5423754"   "5516336"   "5567203").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:15
S10 6	18	("5823995").URPN.	USPAT	OR	OFF	2007/12/17 11:17
S10 7	10	("6190358").URPN.	USPAT	OR	OFF	2007/12/17 11:24
S10 8	0	("6837870").URPN.	USPAT	OR	OFF	2007/12/17 11:28
S10 9	0	("6475184").URPN.	USPAT	OR	OFF	2007/12/17 11:36
S11 0	13	("5947925").URPN.	USPAT	OR	OFF	2007/12/17 11:40

## EAST Search History

S11 1	0	("7163524").URPN.	USPAT	OR	OFF	2007/12/17 11:42
S11 2	51	("4323071"   "4411055"   "4616652"   "4661094"   "4669569"   "4748982"   "4762129"   "4771777"   "4838268"   "4943278"   "5015231"   "5021044"   "5040548"   "5061273"   "5087394"   "5141494"   "5147302"   "5156594"   "5192295"   "5195978"   "5217482"   "5232445"   "5246420"   "5300085"   "5312340"   "5350395"   "5370616"   "5387225"   "5395332"   "5395334"   "5447497"   "5451233"   "5496346"   "5501227"   "5516336"   "5522818"   "5567203"   "5571087"   "5571094"   "5578009"   "5645533"   "5658251"   "5769868"   "5807355"   "5843022"   "5865178"   "5902245"   "5921958"   "6004291"   "6036715"   "6096073").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:46
S11 3	20	("3769981"   "4085757"   "4748982"   "4762129"   "4771777"   "4820271"   "4988356"   "5002556"   "5024658"   "5040548"   "5061273"   "5087247"   "5092839"   "5171222"   "5205822"   "5222970"   "5267958"   "5425714"   "5439445").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:48
S11 4	36	("5578009").URPN.	USPAT	OR	OFF	2007/12/17 11:50

## EAST Search History

S11 5	59	( "4748982"   "4762129"   "4988356"   "5040548"   "5061273"   "5149330"   "5171222"   "5178158"   "5205822"   "5217435"   "5263932"   "5290241"   "5300085"   "5318532"   "5324269"   "5327885"   "5334187"   "5336184"   "5350395"   "5357978"   "5364376"   "5387226"   "5389087"   "5409459"   "5451233"   "5458639"   "5460185"   "5466222"   "5489271"   "5496346"   "5501227"   "5531700"   "5549556"   "5554118"   "5571094"   "5578009"   "5624281"   "5626600"   "5685312"   "5718680"   "5749888"   "5755685"   "5769868"   "5779671"   "5807355"   "5919164"   "5919175"   "5921971"   "5944562"   "5947925"   "5947927"   "6013068"   "6036715"   "6056719"   "6096009"   "6152910"   "6165197"   "6475187"   "RE36857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 11:51
S11 6	0	("6966890").URPN.	USPAT	OR	OFF	2007/12/17 11:56

## EAST Search History

S11 7	101	( "2225762"   "2657691"   "2687131"   "2912981"   "2930377"   "2936760"   "3225762"   "3766924"   "3976720"   "4085757"   "4137906"   "4213461"   "4261339"   "4289128"   "4311146"   "4323071"   "4327709"   "4346698"   "4386604"   "4386607"   "4413989"   "4468224"   "4561439"   "4582181"   "4597755"   "4638805"   "4652258"   "4662368"   "4705507"   "4721117"   "4748982"   "4762129"   "4771776"   "4771777"   "4771778"   "4771782"   "4790315"   "4796642"   "4798193"   "4798598"   "4811743"   "4820349"   "4821722"   "4824435"   "4838268"   "4846174"   "4850358"   "4873983"   "4877031"   "4881547"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4932413"   "4940062"   "4943278"   "4944745"   "4946466"   "4947864"   "4953553"   "4964409"   "4966148"   "4976720"   "4988356"   "4994032"   "4998917"   "4998923"   "5002532"   "5003990"   "5024234"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5061738"   "5102403"   "5131407"   "5135535"   "5154725"   "5156594"   "5159937"   "5180367"   "5395332"   "5464395"   "Re32348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 12:00
S11 8	35	("5571087").URPN.	USPAT	OR	OFF	2007/12/17 12:07
S11 9	4	("6458099").URPN.	USPAT	OR	OFF	2007/12/17 12:27

## EAST Search History

S12 0	37	("4323071"   "4547193"   "4646742"   "4739768"   "4838268"   "4906241"   "4917088"   "4921483"   "4940062"   "4943278"   "4946466"   "4960410"   "4976690"   "4976720"   "4998917"   "4998923"   "5032113"   "5035705"   "5047045"   "5085636"   "5100381"   "5104376"   "5154725"   "5156594"   "5156595"   "5176637"   "5180376"   "5195971"   "5195978"   "5195989"   "5217482"   "5242394"   "5250069"   "5256144"   "5322064"   "5322505"   "5437288").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 12:31
S12 1	25	("5605543").URPN.	USPAT	OR	OFF	2007/12/17 12:35
S12 2	64	("2930377"   "3173418"   "3435824"   "3769981"   "3889685"   "3889686"   "3924632"   "4195637"   "4198981"   "4230119"   "4329993"   "4417576"   "4423725"   "4425919"   "4447227"   "4581017"   "4597755"   "4636195"   "4646742"   "4661094"   "4665604"   "4693243"   "4744366"   "4748981"   "4748982"   "4762129"   "4763654"   "4764324"   "4771777"   "4787388"   "4790315"   "4795427"   "4820271"   "4832028"   "4834709"   "4877031"   "4892519"   "4909252"   "4943278"   "4944745"   "4968306"   "4968307"   "4981478"   "4994033"   "5019057"   "5049132"   "5061257"   "5087244"   "5156594"   "5176661"   "5180367"   "5180376"   "5190520"   "5195971"   "5209734"   "5213576"   "5232444"   "5242396"   "5254089"   "5413559"   "5458613").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 12:38
S12 3	46	("5569184").URPN.	USPAT	OR	OFF	2007/12/17 12:42
S12 4	114	("5156594").URPN.	USPAT	OR	OFF	2007/12/17 12:58

## EAST Search History

S12 5	21	("20010039412"   "20020022831"   "20020082549"   "4758222"   "4799474"   "4822345"   "5047045"   "5156594"   "5499973"   "5531685"   "5549552"   "5662621"   "5876373"   "5997526"   "6030405"   "6190355"   "6203558"   "6464683"   "6514237"   "6562021"   "6575934").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 13:57
S12 6	0	("7291127").URPN.	USPAT	OR	OFF	2007/12/17 14:10
S12 7	11	("4877031"   "4892519"   "5156594"   "5496275"   "5743875"   "5911715"   "6179856"   "6306124"   "6585687"   "6589226"   "6893456").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 14:11
S12 8	0	("7273485").URPN.	USPAT	OR	OFF	2007/12/17 14:12
S12 9	76	("2687131"   "2936760"   "3225762"   "3884242"   "4044765"   "4289128"   "4425919"   "4468224"   "4597755"   "4662368"   "4705507"   "4719924"   "4748982"   "4762129"   "4771777"   "4798598"   "4820349"   "4824435"   "4838268"   "4846174"   "4877031"   "4881547"   "4896670"   "4906241"   "4917088"   "4921478"   "4928693"   "4940062"   "4943278"   "4944745"   "4946466"   "4953553"   "4976690"   "4976720"   "4988356"   "4994032"   "4998917"   "4998923"   "5032113"   "5034001"   "5035686"   "5035705"   "5040548"   "5042985"   "5047045"   "5050606"   "5057120"   "5061273"   "5102390"   "5102403"   "5112304"   "5156594"   "5169386"   "5176637"   "5180367"   "5242396"   "5346505"   "5395332"   "5425711"   "5449343"   "5520645"   "5599326"   "5643209"   "5695468"   "5702439"   "5715825"   "5725513"   "5728067"   "5785685"   "5795341"   "5908405"   "5911715"   "5951539").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 14:19
S13 0	2	("4850358"   "4983167").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 14:24

## EAST Search History

S13 1	60	("5102403").URPN.	USPAT	OR	OFF	2007/12/17 14:25
S13 2	12	("6102890").URPN.	USPAT	OR	OFF	2007/12/17 14:42
S13 3	25	("20010037085"   "20020038103"   "4723936"   "4808164"   "4927413"   "4960410"   "4998917"   "5040548"   "5141518"   "5147317"   "5370655"   "5429597"   "5484409"   "5573520"   "5599319"   "5807355"   "5961510"   "6048338"   "6059713"   "6102890"   "6193686"   "6203558"   "6270504"   "6306124"   "6361529").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 14:42
S13 4	0	("7189215").URPN.	USPAT	OR	OFF	2007/12/17 14:45
S13 5	32	("2211975"   "3680562"   "3890977"   "4330497"   "4569347"   "4657024"   "4795439"   "5061254"   "5102401"   "5163431"   "5329923"   "5381782"   "5454787"   "5470322"   "5477856"   "5487757"   "5507751"   "5554118"   "5569218"   "5573520"   "5599326"   "5685868"   "5702439"   "5741429"   "5921956"   "5980486"   "6007478"   "6071273"   "6102890"   "6235050"   "6409863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 14:52
S13 6	0	("6719748").URPN.	USPAT	OR	OFF	2007/12/17 15:00
S13 7	1	("6585719").PN.	USPAT; USOCR	OR	OFF	2007/12/17 15:00
S13 8	0	("6585719").URPN.	USPAT	OR	OFF	2007/12/17 15:00
S13 9	30	("2211975"   "4330497"   "4569347"   "4657024"   "4795439"   "5061254"   "5102401"   "5163431"   "5329923"   "5381782"   "5454787"   "5470322"   "5477856"   "5487757"   "5507751"   "5554118"   "5569218"   "5573520"   "5599326"   "5685868"   "5702439"   "5741429"   "5921956"   "5980486"   "6007478"   "6071273"   "6102890"   "6235050"   "6409863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 15:00
S14 0	13	("5470315").URPN.	USPAT	OR	OFF	2007/12/17 15:21



## EAST Search History

S14 1	49	("4536533"   "4762129"   "4775371"   "4950257"   "5147317"   "5176637"   "5195971"   "5226880"   "5242396"   "5246420"   "5294395"   "5300025"   "5334148"   "5376084"   "5418308"   "5425711"   "5454795"   "5470315"   "5496294"   "5507768"   "5520645"   "5531690"   "5545134"   "5545138"   "5549552"   "5549556"   "5599326"   "5611775"   "5649909"   "5658264"   "5720724"   "5782740"   "5782811"   "5795341"   "5810867"   "5827242"   "5836892"   "5853400"   "5868706"   "5876386"   "5891112"   "5895378"   "5897911"   "6004279"   "6004291"   "6179810"   "6224535"   "6599288"   "6733486").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 15:21
S14 2	0	("7118551").URPN.	USPAT	OR	OFF	2007/12/17 15:26
S14 3	32	("5234407").URPN.	USPAT	OR	OFF	2007/12/17 15:35
S14 4	10	((("7169162") or ("7037291") or ("6905477") or ("6893417") or ("6890318") or ("6887219") or ("6733487") or ("6548010") or ("6503223") or ("6379365")).PN.	USPAT; USOCR	OR	OFF	2007/12/17 15:39
S14 5	9	((("7169162") or ("7037291") or ("6905477") or ("6893417") or ("6890318") or ("6887219") or ("6548010") or ("6503223") or ("6379365")).PN.	USPAT; USOCR	OR	OFF	2007/12/17 15:39

## EAST Search History

S14 6	86	("20010011180"   "20010029362"   "20010037085"   "20030055447"   "20030191491"   "20040059291"   "20040068240"   "3924632"   "4684363"   "4988356"   "5047045"   "5061273"   "5092877"   "5156594"   "5242399"   "5300025"   "5304197"   "5334187"   "5344426"   "5370615"   "5387193"   "5395335"   "5453090"   "5470315"   "5476477"   "5490837"   "5496275"   "5501759"   "5533968"   "5534007"   "5538513"   "5549552"   "5554121"   "5571135"   "5593412"   "5603698"   "5620649"   "5628755"   "5634902"   "5649909"   "5690613"   "5690644"   "5702439"   "5718680"   "5743875"   "5782811"   "5791036"   "5797877"   "5807355"   "5833706"   "5843090"   "5843092"   "5860963"   "5908448"   "5911715"   "5951569"   "5980533"   "6019777"   "6024722"   "6042578"   "6056759"   "6103037"   "6165166"   "6171275"   "6179810"   "6193686"   "6238376"   "6273899"   "6344029"   "6495127"   "6575958"   "6589207"   "6589226").PN. OR ("6379365"   "6503223"   "6548010"   "6887219"   "6890318"   "6893417"   "6905477"   "7037291"   "7169162").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 15:40
S14 7	9	("5300025"   "5395334"   "5410797"   "5480383"   "5833706"   "5891110"   "6004291"   "6036670"   "6193686").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 15:51
S14 8	8	("6575958").URPN.	USPAT	OR	OFF	2007/12/17 16:17
S14 9	5	((("5685868") or ("6071273") or ("5554118") or ("5571087") or ("5567203")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 16:29
S15 0	23	("0029362" "0004493" "4748982" "4960410" "4988356" "5156594" "5347215" "5395334" "5458613" "5605543" "5718680" "5728063" "5827242" "5843050" "5851203" "0055377" "5833672" "6004291" "6179825" "6186978" "6315757" "6475209" "7022106").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/17 16:29

## EAST Search History

S15 1	1	("2003/0105427").URPN.	USPAT	OR	OFF	2007/12/17 16:55
S15 2	15	("20030105427"   "5061273"   "5156594"   "5425711"   "5702439"   "6004310"   "6030405"   "6117106"   "6179810"   "6180367"   "6193686"   "6344029"   "6610068"   "6733486"   "6929635").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 16:57
S15 3	0	("2005/0070847").URPN.	USPAT	OR	OFF	2007/12/17 17:10
S15 4	11	US-2930377-\$.DID. OR US-4728982-\$.DID. OR US-4748982-\$.DID. OR US-4762129-\$.DID. OR US-4838268-\$.DID. OR US-4887606-\$.DID. OR US-4892519-\$.DID. OR US-4943278-\$.DID. OR US-4968300-\$.DID. OR US-4988356-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:13
S15 5	14	US-5046503-\$.DID. OR US-5047045-\$.DID. OR US-5056503-\$.DID. OR US-5061273-\$.DID. OR US-5069673-\$.DID. OR US-5135535-\$.DID. OR US-5154725-\$.DID. OR US-5156594-\$.DID. OR US-5159937-\$.DID. OR US-5201723-\$.DID. OR US-5217482-\$.DID. OR US-5232445-\$.DID. OR US-5281203-\$.DID. OR US-5290247-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:14
S15 6	13	US-5315747-\$.DID. OR US-5330499-\$.DID. OR US-5334147-\$.DID. OR US-5346505-\$.DID. OR US-5350395-\$.DID. OR US-5370615-\$.DID. OR US-5370616-\$.DID. OR US-5383890-\$.DID. OR US-5387225-\$.DID. OR US-5395334-\$.DID. OR US-5403339-\$.DID. OR US-5409470-\$.DID. OR US-5413557-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:16

## EAST Search History

S15 7	13	US-5451207-\$.DID. OR US-5451233-\$.DID. OR US-5466222-\$.DID. OR US-5470315-\$.DID. OR US-5490837-\$.DID. OR US-5496346-\$.DID. OR US-5501227-\$.DID. OR US-5522818-\$.DID. OR US-5549553-\$.DID. OR US-5549556-\$.DID. OR US-5567203-\$.DID. OR US-5591194-\$.DID. OR US-5626600-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:18
S15 8	10	US-5658251-\$.DID. OR US-5685312-\$.DID. OR US-5702439-\$.DID. OR US-5718680-\$.DID. OR US-5728067-\$.DID. OR US-5749888-\$.DID. OR US-5980486-\$.DID. OR US-6004291-\$.DID. OR US-6129708-\$.DID. OR US-6129709-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:37
S15 9	1	("5370615").PN.	USPAT; USOCR	OR	OFF	2007/12/17 17:39
S16 0	1	((("5304197") or ("2003078537") or ("2001031979"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:39
S16 1	3	((("5304197") or ("20030078537") or ("20010031979"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:41
S16 2	1	("5217482").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:41
S16 3	1	("5425711").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:42
S16 4	1	("6575958").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/17 17:42
S16 5	128	(604/103.09).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 12:55

## EAST Search History

S16 6	44	("20010029362"   "20010037085"   "20040059292"   "20040249436"   "20060142696"   "4762129"   "4917666"   "4998923"   "5040548"   "5095915"   "5156594"   "5322505"   "5387193"   "5458613"   "5477856"   "5480382"   "5496294"   "5507751"   "5542434"   "5626593"   "5658251"   "5743876"   "5810867"   "5876375"   "5911715"   "5957903"   "5980484"   "5980486"   "6013069"   "6022343"   "6030405"   "6039699"   "6048338"   "6066114"   "6066144"   "6102890"   "6152909"   "6246914"   "6524300"   "6533754"   "6575958"   "6579246"   "6592569"   "6623448").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 12:57
S16 7	30	("2819718").URPN.	USPAT	OR	OFF	2007/12/18 13:16
S16 8	195	(604/103.04).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 13:16
S16 9	0	("2007/0191767").URPN.	USPAT	OR	OFF	2007/12/18 13:19
S17 0	0	("2007/0021771").URPN.	USPAT	OR	OFF	2007/12/18 13:21

## EAST Search History

S17 1	108	("20042363671" "0345141" "4490421" "4563181" "4748982" "4762129" "4771777" "4877031" "4898591" "4921483" "4944745" "5047045" "5078702" "5102403" "5135535" "5154725" "5195978" "5217482" "5221270" "5226888" "5252159" "5261879" "5267958" "5328468" "5334147" "5357978" "5370615" "5395334" "5413557" "5413560" "5425711" "5460185" "5470315" "5480383" "5496346" "5500180" "5538510" "5545138" "5549553" "5605543" "5634902" "5649909" "5658251" "5667493" "5669932" "5702439" "5728067" "5738667" "5775685" "5807355" "5820594" "5824173" "5836965" "5843032" "5851464" "5891056" "5891110" "5902290" "5980486" "6004291" "6010521" "6017323" "6027477" "6030405" "6036670" "6036715" "6059770" "6071273" "6102890" "6123698" "6129708" "6159229" "6165166" "6187130" "6193686" "6210364" "6273874" "6283939" "6306124" "6309402" "6344029" "6361529" "6368302" "6402720" "6475209" "6488694" "6527789" "6530938" "6575958" "6575993" "6633648" "6648854" "6652507" "6685720" "6692460" "6695812" "6702750" "6733473" "6733487" "6814744" "6821281" "6887219" "6979342" "7001358" "7025258" "7037291" "7118551" "RE32983" "RE33561").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 13:21
S17 2	28	("4183102"   "4423725"   "4581017"   "4585000"   "4661094"   "4762129"   "4771777"   "4787388"   "4790315"   "4820271"   "4850969"   "4877031"   "4892519"   "4901731"   "4909252"   "4932413"   "4944745"   "4983167"   "5000734"   "5000743"   "5002531"   "5045061"   "5046503"   "5078685"   "5108370"   "5205822"   "5209729"   "5209730"   "B14761129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 13:32
S17 3	33	("5261879").URPN.	USPAT	OR	OFF	2007/12/18 13:35
S17 4	0	("2006/0270977").URPN.	USPAT	OR	OFF	2007/12/18 13:41
S17 5	2	("2006/0142703").URPN.	USPAT	OR	OFF	2007/12/18 13:49

## EAST Search History

S17 6	5	("20030191491" "20040059291" "20040059369" "20040122363" "4988356").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 13:49
S17 7	0	("2006/0095005").URPN.	USPAT	OR	OFF	2007/12/18 13:50
S17 8	0	("2005/0283221").URPN.	USPAT	OR	OFF	2007/12/18 13:52
S17 9	20	("20040054323" "3953566" "4187390" "4516972" "4988356" "5334147" "5370615" "5380283" "5472425" "5476589" "5489271" "5489271" "6027487" "6159195" "6159195" "6159565" "6248092" "6319228" "6319228" "6398799" "6398799" "6733486" "6887219" "7037291").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 13:52
S18 0	0	("2005/0277878").URPN.	USPAT	OR	OFF	2007/12/18 13:54
S18 1	5	("5156594" "5620649" "6024722" "6193686" "6733487").PN.	USPAT	OR	OFF	2007/12/18 13:54
S18 2	0	("2005/0245962").URPN.	USPAT	OR	OFF	2007/12/18 13:58
S18 3	46	("3297030" "3595241" "4306562" "4762129" "4776846" "4921479" "4923413" "4947864" "4988356" "5135535" "5171222" "5195978" "5201730" "5205822" "5263932" "5279596" "5290232" "5324269" "5342297" "5389087" "5395335" "5415639" "5417669" "5462530" "5496346" "5554118" "5626600" "5658262" "5735828" "5755775" "5800414" "5807355" "5817100" "5947925" "5957912" "6099497" "6142973" "6196995" "6245089" "6312404" "6371971" "6454786" "6458099" "6537294" "6669665" "RE36857").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 14:08
S18 4	13	("1883376" "2943716" "20020124520" "20030208985" "3952472" "5402614" "5660017" "5680738" "6138427" "6237303" "6516583" "6591573" "6802169").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 14:10
S18 5	9	("20030055377" "20040039372" "20040059291" "20040059369" "20040122363" "4776846" "4988356" "5222970" "6800065").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 14:12

## EAST Search History

S18 6	88	("4655746" "4748982" "4762129" "4947864" "4988356" "5040548" "5061273" "5135535" "5156594" "5195978" "5232445" "5263963" "5281203" "5300085" "5328472" "5334147" "5336184" "5346505" "5350395" "5364376" "5380283" "5383853" "5395335" "5413559" "5451233" "5458605" "5458613" "5460185" "5462529" "5468225" "5472425" "5482529" "5501227" "5531690" "5533868" "5545134" "5554118" "5571094" "5607406" "5620417" "5626600" "5685312" "5709658" "5709658" "5728067" "5738667" "5749888" "5755685" "5769868" "5776141" "5807355" "5810869" "5814061" "5820595" "5827241" "5830227" "5833659" "5836967" "5846246" "5865801" "5891056" "5891056" "5910154" "5919164" "5919175" "5921971" "5944691" "5947927" "5980484" "5980486" "5989281" "6007517" "6044845" "6048484" "6056722" "6056722" "6129708" "6152910" "6156005" "6168579" "6196995" "6200305" "6264671" "6299595" "6379345" "6398792" "6416529" "6569180" "6605062" "7131986" "7238168").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 14:25
S18 7	3	((("5549552") or ("5720724") or ("5410797")).PN.	USPAT; USOCR	OR	OFF	2007/12/18 14:26
S18 8	7	((("5395335") or ("6196995") or ("6129708") or ("6152910") or ("5458605") or ("6821287") or ("6824554")).PN.	USPAT; USOCR	OR	OFF	2007/12/18 14:28
S18 9	1	("2003/0055377").URPN.	USPAT	OR	OFF	2007/12/18 14:41



## EAST Search History

S19 0	41	("4748982"   "4762129"   "4988356"   "5040548"   "5061273"   "5171222"   "5205822"   "5263932"   "5290241"   "5300085"   "5324269"   "5334187"   "5350395"   "5357978"   "5387226"   "5389087"   "5409459"   "5451233"   "5458639"   "5460185"   "5496346"   "5501227"   "5533968"   "5549556"   "5571094"   "5578009"   "5626600"   "5685312"   "5718680"   "5749888"   "5769868"   "5868706"   "5919175"   "5947925"   "6036715"   "6096009"   "6165197"   "6193686"   "6196995"   "6322577"   "RE36857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 14:43
S19 1	1	("2003/0163117").URPN.	USPAT	OR	OFF	2007/12/18 14:54
S19 2	0	("6685720").URPN.	USPAT	OR	OFF	2007/12/18 17:16
S19 3	15	("4608984"   "4627436"   "4685458"   "5042985"   "5050606"   "5156594"   "5295962"   "5300025"   "5322508"   "5346464"   "5354279"   "5549552"   "5823995"   "6068623"   "6171279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 17:16
S19 4	0	("2006/0270977").URPN.	USPAT	OR	OFF	2007/12/18 17:18
S19 5	1	("2003/0163117").URPN.	USPAT	OR	OFF	2007/12/18 17:37
S19 6	114	(604/103.05).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 17:50
S19 7	126	(604/103.06).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 17:56
S19 8	104	(604/103.08).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:12
S19 9	201	(604/103.07).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:21
S20 0	0	(604/103.10).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:21
S20 1	225	(604/103.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:21

## EAST Search History

S20 2	10	("4544745"   "4581017"   "4661094"   "4782834"   "4877031"   "4892519"   "4988356"   "5090958"   "5135535"   "5154725").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:32
S20 3	25	("5295961").URPN.	USPAT	OR	OFF	2007/12/18 18:38
S20 4	86	(604/103.11).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:44
S20 5	14	(604/103.12).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:45
S20 6	116	(604/102.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 18:53
S20 7	151	(604/102.02).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 19:02
S20 8	52	(604/102.03).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 19:05
S20 9	252	(604/103).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 19:24
S21 0	1255	(606/192).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 19:24